XP-002141363

AN - 1994-061881 [28]
AP - JP19920309705 19921023; [Div ex] JP19870087472 19870408; JP19920309705 19870408; [Based on J06016422]
CPY - AGEN
- NIIT
DC - J04 L03 P53 S03 X16
DR - 1966-S
FS - CPI;GMPI;EPI
IC - B01D53/36 ; B01D53/86 ; B01D53/94 ; B01J23/52 ; B01J23/66 ; B22F1/02 ; C01G23/00 ; G01N27/12 ; H01M4/90
MC - J04-C04 J04-E04 L03-B01A4 N02-E04 N03-B01
- S03-E02A X16-E06A
M3 - [01] A422 A940 C108 C550 C730 C801 C802 C803 C804 C805 C807 M411 M730 M903 M910 Q421; 1966-S
- [02] A679 C810 M411 M730 M903 Q421
PA - (AGEN) AGENCY OF IND SCI & TECHNOLOGY
- (NIIT) MIN INT TRADE
PN - JP6016422 A 19940125 DW199421 C01G23/00 008pp
- JP7053577B B2 19950607 DW199527 C01G23/00 008pp
PR - JP19920309705 19921023; JP19870087472 19870408
XA - C1994-027617
XIC - B01D-053/36 ; B01D-053/86 ; B01D-053/94 ; B01J-023/52 ; B01J-023/66 ; B22F-001/02 ; C01G-023/00 ; G01N-027/12 ; H01M-004/90
XR - 1988-341407 1995-084550
XP - N1994-049005
AB - J06016422 Prepn. involves dropping an aq. soln. of a gold compound into an aq. soln. at pH 7-11 contg. an oxide principally composed of titanium while maintaining the above pH and heating the metal oxide at 100-800 deg.C.
- Also claimed are an oxidation catalyst, reduction catalyst, combustible gas sensor element, and catalyst for electrodes, which consist of ultrafine gold particles with a grain size of up to 250 angstroms fixed on an oxide principally composed of titanium.
- An alternative prepn. involves dropping a reducing agent into an aq. soln. at pH 7-11 contg. a dissolved gold compound and an oxide principally composed of titanium while maintaining the above pH to allow ultrafine gold particles to deposit on the oxide.
- USE/ADVANTAGE - Used as an oxidation catalyst, reduction catalyst, combustible gas sensor element, and catalyst for electrodes. Ultrafine gold particles are fixed on the titanium oxide effectively in a short time.
- (Dwg.1/1)
DRL - 1966-S
IW - PREPARATION ULTRAFINE GOLD@ PARTICLE FIX TITANIUM TYPE OXIDE DROP AQUEOUS SOLUTION GOLD COMPOUND AQUEOUS ALKALINE SOLUTION CONTAIN TITANIUM OXIDE HEAT USEFUL OXIDATION REDUCE CATALYST
IKW - PREPARATION ULTRAFINE GOLD@ PARTICLE FIX TITANIUM TYPE OXIDE DROP AQUEOUS SOLUTION GOLD COMPOUND AQUEOUS ALKALINE SOLUTION CONTAIN TITANIUM OXIDE HEAT USEFUL OXIDATION REDUCE CATALYST
NC - 001
OPD - 1987-04-08